

PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

1. Name of conveying party(ies):

Andres Fernandez April 26, 2002
Marian Mankos May 16, 2002
Jeffrey S. Sullivan April 23, 2002
Paul C. Allen April 29, 2002

EXECUTION DATE

Additional name(s) of conveying Part(ies) attached? No

2. Name and address of receiving party(ies):

Name: Applied Materials, Inc.Internal Address: Legal Affairs Department - M/S 2061Street Address: 3050 Bowers Ave.City: Santa Clara State: CA Zip: 95054

Additional Name(s) & Address(es) attached? No

3. Nature of conveyance;

☒ Assignment

Merger

Security Agreement

Change of Name

Other _____

Execution Date: See Above

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

10/055,869Filed: January 22, 2002

Additional Numbers attached? No

5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: PATENT COUNSELInternal Address: Applied Materials, Inc.Legal Affairs Department - M/S 2061Street Address: P. O. Box 450ACity: Santa Clara State: CA Zip: 950526. Total number of applications and patent involved: 1

7. Total Fee (37 CFR 3.41)

\$40.00☒ Authorized to be charged to deposit account

8. Deposit Account Number:

50-1074

(Attach duplicate copy of this page if paying by deposit account)

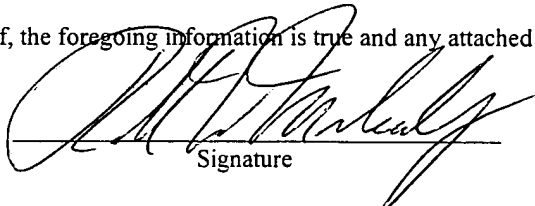
Do Not Use This Space

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and any attached copy is a true copy of the original document.

Robert W. Mulcahy, Reg. No. 25,436

Name of Person Signing



Signature

7/16/02

Date

10. Total number of pages comprising cover sheet, attachments, and document: 9

Mail documents to be recorded with the required cover sheet information to:

Commissioner of Patents and Trademarks, Box Assignment

Washington, D.C. 20231

17510 U.S. PTO
10/803352
031804

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

1)	Andres Fernandez 6522-C Cottonwood Circle Dublin, CA 94568 United States	2)	Marion Mankos 333 Presidio Ave #3 San Francisco, CA 94115 United States
3)	Jeffrey S. Sullivan 2321 Webster Street Berkeley, CA 94705 United States	4)	Paul C. Allen 10500 SW 16 Ct. Beaverton, OR 97007 United States

(hereinafter referred to as Assignors), have invented a certain invention entitled:

ELECTRON BEAM LITHOGRAPHY SYSTEM HAVING IMPROVED ELECTRON GUN

for which application for Letters Patent in the United States was filed on January 22, 2002, under Serial No. 10/055,869, executed on even date herewith; and

WHEREAS, Applied Materials, Inc., a corporation of the State of Delaware, having a place of business at 3050 Bowers Avenue, Santa Clara, California 95054 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as the Application), and the invention disclosed therein (hereinafter referred to as the Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as the Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.


2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for

legal proceedings involving said Invention and any application therefor and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

- 1) 4/26, 2002 
Andres Fernandez
- 2) _____, 2002 _____
Marion Mankos
- 3) _____, 2002 _____
Jeffrey S. Sullivan
- 4) _____, 2002 _____
Paul C. Allen

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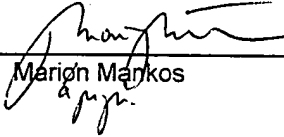
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- 1) _____, 2002 _____
Andres Fernandez
- 2) May 16, 2002 _____

Marion Markos
- 3) _____, 2002 _____
Jeffrey S. Sullivan
- 4) _____, 2002 _____
Paul C. Allen

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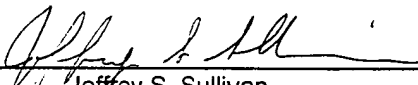
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- 3) 4/23, 2002  _____
Jeffrey S. Sullivan
- 4) _____, 2002 _____
Paul C. Allen

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Marion Mankos
- 3) _____, 2002 _____
Jeffrey S. Sullivan
- 4) April 29, 2002 Paul C. Allen
Paul C. Allen